

Title (en)

Sulphuric acid esters of sugar alcohols for the inhibition of the migration and proliferation of smooth muscle cells of the vascular walls

Title (de)

Schwefelsäureester von Zuckeralkoholen zum Hemmen von der Migration und Proliferation von glatten Muskelzellen der Gefäßwand

Title (fr)

Esters d'acide sulfurique et des alcools de sucre pour l'inhibition de la migration et de la prolifération de cellules des muscles lisses des parois vasculaires

Publication

EP 0741128 A3 19970326 (DE)

Application

EP 96106471 A 19960424

Priority

CH 131095 A 19950505

Abstract (en)

[origin: EP0741128A2] Sulphate ester derivs. (I) of sugar alcohols and related cpds., of formula E1-D-E2 (Ia) and E1-W(E2)-E3 (Ib), and their salts, are new. E1 = (X6-Y3)n3-(X5-Z1)m3-(X4-Y2)n2-(X3-Q1</ SB>)m2-(X2-Y1)n1-(X1-A1)m1; E2 = (X12-Y6)n6-(X11-Z2)m6-(X10-Y5)n5-(X9-Q 2)m5-(X8-Y4)n4-(X7-A2)m4; and E3 = (X18-Y9)n9-(X17-Z3)m9-(X16-Y8)n8-(X15-Q<SB >3)m8-(X14-Y7)n7-(X13-A3)m7. n1-n9 = 0 or 1; m1-m9 = 0 or 1, provided that at least one of m1-m3, at least one of m4-m6 and at least one of m7-m9 = 1; X1-X18 = O, CONR1, NR1CO or NR1; R1 = H or lower alkyl; W = benzene or s-triazine ring; Y1-Y9 = aromatic ring; A1-A3 = residue of sugar alcohol (or deriv.) with one OH gp. removed, residue of a sugar acid (or deriv.), with the 1-COOH gp. removed, or C(CH2OH)3; D = residue of a sugar alcohol (or deriv.) with 2 OH gps. removed, or residue of a sugar diacid (or deriv.) with 2 COOH gps. removed; Q1-Q3, Z1-Z3 = as for D, or a didesoxyglycopyranoside (or deriv.); provided that at least one OH gp. in A1-A3, D, Q1-Q3 and Z1-Z3 is esterified with sulphuric acid.

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Citation (search report)

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